

IN THE CLAIMS:

1. (Originally Filed) An electric motor comprising
a stator;
a rotor supported for rotation within the stator;
a preformed cylindrical composite can member removably affixed to one
of the stator and rotor; and
at least one sealing ring for sealing the cylindrical can member to the
member to which it is affixed.
2. (Originally Filed) An electric motor according to claim 1 wherein the
composite can member is removably affixed by screws.
3. (Originally Filed) An electric motor according to claim 1 wherein the
composite can member has a surface facing a space between the rotor and the stator in which
ridges are formed to control flow of liquid through the space.
4. (Originally Filed) An electric motor according to claim 3 in which the
ridges extend circumferentially around the surface of the composite can member facing the space
between the rotor and the stator.
5. (Originally Filed) An electric motor according to claim 3 wherein the
composite can member is affixed to the rotor and wherein the ridges extend at an angle to a plane
perpendicular to the axis of the motor.

6. (Originally Filed) An electric motor according to claim 1 wherein the composite can member comprises a fiber-reinforced polymer material.
7. (Originally Filed) An electric motor according to claim 6 wherein in the polymer material are selected from the group consisting of glass, aramid, carbon, polyester and quartz fiber.
8. (Originally Filed) An electric motor according to claim 6 wherein the fiber-reinforced composite can member is made by a technique selected from the group consisting of dry lay-up resin transfer molding, wet and pre-impregnated filament winding techniques.
9. (Originally Filed) An electric motor according to claim 1 wherein the stator comprises a plurality of removably connected components and the composite can member is affixed to the inner surface of the stator by mechanical connectors and wherein the rotor includes an outer can member made of composite material formed by winding the material onto the surface of the rotor.

Please add the following new claims:

10. (New) An apparatus comprising:
an electric motor comprising:
a stator; and
a rotor supported for rotation within the stator, wherein the stator is adapted to receive a preformed cylindrical composite can member removably affixed to the stator and is further adapted to receive a sealing ring for sealing the cylindrical can member to the stator.
11. (New) The apparatus according to claim 10, wherein the composite can member is removably affixed by screws.
12. (New) The electric motor according to claim 10 wherein the composite can member has a surface facing a space between the rotor and the stator in which ridges are formed to control flow of liquid through the space.
13. (New) The electric motor according to claim 12 in which the ridges extend circumferentially around the surface of the composite can member facing the space between the rotor and the stator.
14. (New) The electric motor according to claim 12 wherein the composite can member is affixed to the rotor and wherein the ridges extend at an angle to a plane perpendicular to the axis of the motor.

15. (New) A system, comprising:
a liquid environment; and
an electric motor configured to operate in the liquid environment, wherein
the electric motor further comprises of:

a stator;
a rotor supported for rotation within the stator;
a preformed cylindrical composite can member removably affixed
to one of the stator and rotor; and
at least one sealing ring for sealing the cylindrical can member to
the member to which it is affixed.

16. (New) The system according to claim 15, wherein the composite can
member is removably affixed by screws.

17. (New) The system according to claim 15, wherein the composite can
member has a surface facing a space between the rotor and the stator in which ridges are formed
to control flow of liquid through the space.

18. (New) The system according to claim 17 in which the ridges extend
circumferentially around the surface of the composite can member facing the space between the
rotor and the stator.

19. (New) The system according to claim 17, wherein the composite can
member is affixed to the rotor and wherein the ridges extend at an angle to a plane perpendicular
to the axis of the motor.

20. (New) The system according to claim 15, wherein the composite can member comprises a fiber-reinforced polymer material.